

Title (en)

Multi-wavelength bidirectional optical transceiver having monitors

Title (de)

Bidirektionales optisches Sende-/Empfangsgerät mit Monitoren für mehrere Wellenlängen

Title (fr)

Émetteur/récepteur optique bidirectionnel à longueurs d'ondes multiples doté de moniteurs

Publication

EP 1830206 A1 20070905 (EN)

Application

EP 07103324 A 20070301

Priority

KR 20060020039 A 20060302

Abstract (en)

A multi-wavelength bidirectional optical transceiver includes a plurality of optical transmitters for generating and outputting forward optical signals, a plurality of optical receivers for performing optoelectric conversion on reverse optical signals, a band splitter for outputting the forward optical signals that are input from the plurality of optical transmitters to outside the multi-wavelength bidirectional optical transceiver and for outputting reverse optical signals that are input from outside the multi-wavelength bidirectional optical transceiver to the plurality of optical receivers, a power splitter on an optical path between the plurality of optical transmitters and the band splitter for power-splitting the forward optical signals that are input from the plurality of optical transmitters and for outputting portions of the forward optical signals to the band splitter, and a plurality of monitors for performing optoelectric conversion on the remaining portions of the forward optical signals that are input from the power splitter.

IPC 8 full level

G02B 6/293 (2006.01)

CPC (source: EP KR US)

G02B 6/29362 (2013.01 - KR); **G02B 6/4246** (2013.01 - EP KR US); **G02B 6/4249** (2013.01 - KR); **H04B 10/40** (2013.01 - KR); **H04J 14/0216** (2013.01 - KR); **G02B 6/29362** (2013.01 - EP US); **G02B 6/4249** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1830206 A1 20070905; CN 101030819 A 20070905; KR 100754641 B1 20070905; US 2007206953 A1 20070906

DOCDB simple family (application)

EP 07103324 A 20070301; CN 200710085635 A 20070301; KR 20060020039 A 20060302; US 70177907 A 20070202